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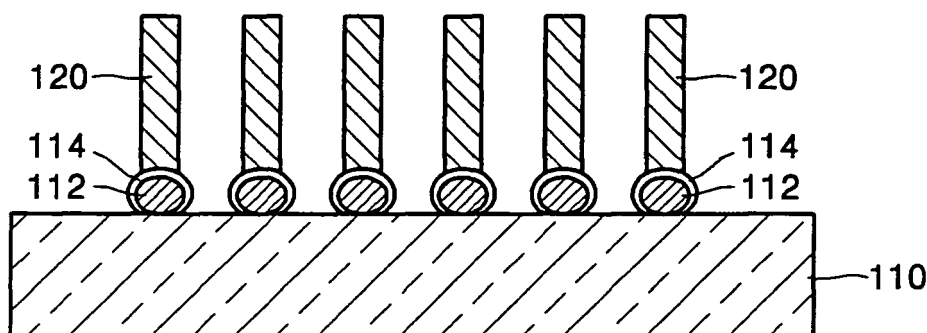
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(54) **Carbon nanotube structure and method of manufacturing the same, field emission device using the carbon nanotube structure and method of manufacturing the field emission device**

(57) A CNT structure and a method of manufacturing the CNT structure, and a FED device using the CNT structure and a method of manufacturing the FED device are provided. The CNT structure includes a substrate, a plurality of buffer particles having a predetermined size

coated on the substrate, a plurality of catalyst layers formed on surfaces of the buffer particles by annealing a catalyst material deposited on the substrate to a predetermined thickness to cover the buffer particles, and a plurality of CNTs grown from the catalyst layers.

FIG. 2





EUROPEAN SEARCH REPORT

Application Number
EP 06 25 0824

DOCUMENTS CONSIDERED TO BE RELEVANT			
Category	Citation of document with indication, where appropriate, of relevant passages	Relevant to claim	CLASSIFICATION OF THE APPLICATION (IPC)
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P,X	EP 1 511 058 A (SAMSUNG SDI CO LTD [KR]) 2 March 2005 (2005-03-02) * paragraphs [0001] - [0003], [0014], [0040] - [0050]; claims 12,13; figures 8,9 *	7,21	
D,X	US 6 764 874 B1 (ZHANG RUTH YU-AI [US] ET AL) 20 July 2004 (2004-07-20) * column 2, lines 54-56 * * column 2, line 66 - column 4, line 67; claims 1-53 *	1,5,6,8-10,15-18	TECHNICAL FIELDS SEARCHED (IPC) C01B H01J
The present search report has been drawn up for all claims			
Place of search The Hague		Date of completion of the search 4 May 2009	Examiner Corrias, M
CATEGORY OF CITED DOCUMENTS X : particularly relevant if taken alone Y : particularly relevant if combined with another document of the same category A : technological background O : non-written disclosure P : intermediate document T : theory or principle underlying the invention E : earlier patent document, but published on, or after the filing date D : document cited in the application L : document cited for other reasons & : member of the same patent family, corresponding document			

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**ANNEX TO THE EUROPEAN SEARCH REPORT
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This annex lists the patent family members relating to the patent documents cited in the above-mentioned European search report.
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For more details about this annex : see Official Journal of the European Patent Office, No. 12/82